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could best be met by the compilation and publication in English of tables of constants which have been critically reviewed as to their accuracy and has decided that this could best be done by the appointment of a committee to act as trustees in charge of such compilation and as far as is necessary to have charge of the determination of such constants as have not already been published or determined, and

WHEREAS, the trustees so appointed were selected as representing the American Chemical Society, the American Physical Society and the American Institute of Chemical Engineers, the representatives being, respectively, Julius Steiglitz, Edwin P. Hyde and Hugh K. Moore, therefore be it

*Resolved*, that the American Chemical Society in convention assembled heartily endorses this project and promises to the trustees its support in every way within its power.

#### SCIENTIFIC NOTES AND NEWS

THE American Philosophical Society on April 24 elected members as follows: Wilder D. Bancroft, Washington; Gary N. Calkins, New York; Edward Capps, Princeton; Heber D. Curtis, Mt. Hamilton, Calif.; Leonard E. Dickson, Chicago; William Duane, Boston; Moses Gomberg, Ann Arbor; Frank J. Goodnow, Baltimore; John F. Jameson, Washington; Douglas W. Johnson, New York; Vernon L. Kellogg, Stanford University, Calif.; George F. Moore, Cambridge; Paul Shorey, Chicago; William C. Sproul, Chester, Pa., and Pope Yeatman, Philadelphia.

THE Academy of Natural Sciences of Philadelphia has conferred the Hayden Memorial Medal for 1920 on Professor Thomas Chrowder Chamberlin, professor emeritus of the University of Chicago, in recognition of his distinguished services to geologic science. This medal is presented every three years for distinguished accomplishments in geology or paleontology. It represents a memorial established by an endowment fund by Mrs. Emma W. Hayden in honor of her husband, Dr. Ferdinand V. Hayden, who was for many years director of the Geological and Geographical Survey of the Territories. The medal was first presented to James Hall, formerly state geologist of New York, in 1890, and has since been presented to

various distinguished geologists both in America and in Europe. In the opinion of the Committee on the Award, Professor Chamberlin's numerous and remarkable contributions to geologic science place him in a rank high among the others who have received the Hayden Memorial Medal.

DR. VICTOR C. VAUGHAN, of the University of Michigan, has been elected a member of the Institute of Medicine of Chicago.

PROFESSOR A. FOWLER, F.R.S., has been elected a corresponding member of the Paris Academy in the section of astronomy.

ON the occasion of the dedication of its new Agricultural Engineering Hall at University Farm on April 14, the University of Nebraska conferred the honorary degree of doctor of agriculture upon Roscoe W. Thatcher, dean of the department of agriculture and director of the agricultural experiment stations of the University of Minnesota, and the honorary degree of doctor of engineering upon Charles Rus Richards, dean of the college of engineering and director of the engineering experiment station of the University of Illinois. Dean Richards delivered the dedicatory address.

THE intimate international relationships with English and Continental laboratories held by the members of the nutrition laboratory of the Carnegie Institution of Washington, in Boston, Mass., which were interrupted by the war, are again to be resumed. Professor Walter R. Miles, of the department of physiological psychology of the Nutrition Laboratory, has recently left for an extended tour in European countries and for attendance at the International Congress of Physiology to be held in Paris in July.

DR. J. WALKER FEWKES, chief of the Bureau of American Ethnology, will return to the University of Texas in June to continue the work of archeological research begun last year. During Dr. Fewkes' former visit to Texas investigations were made of the Red Burnt Mounds extending from east of Austin westward beyond the New Mexico boundary.

DR. JOHN L. TODD, of McGill University, and Dr. Simeon B. Wolbach, of Harvard Medical School, have gone to Poland to study typhus fever. They are working under the Red Cross.

DR. DON M. GRISWOLD has been appointed state epidemiologist of Iowa to succeed the late Dr. E. G. Birge. Dr. Griswold will also act as head of the division of hygiene, preventive medicine and epidemiology of the department of pathology and bacteriology of the University of Iowa.

DR. E. G. TITUS, technologist in sugar-plant investigations, U. S. Department of Agriculture, who has been in charge of seed-breeding and other sugar-beet investigations in the intermountain region, has accepted a position with the Utah-Idaho Sugar Company, Salt Lake City, as director of their new department of agricultural research.

PROFESSOR O. M. LELAND, of Cornell University, has accepted a position with the J. G. White Engineering Corporation and has taken up his work at their offices in New York City. He has been a member of the faculty of civil engineering at Cornell for seventeen years. During the war, Professor Leland was in active service as Lieutenant Colonel of Engineers, in the 78th Division, and, after the Armistice, in the 89th Division.

DR. JAMES BROWN, formerly research chemist for Zinsser and Co., Hastings-on-Hudson, N. Y., has accepted a position as research chemist with the Calco-Chemical Company, of Bound Brook, N. J.

PROFESSOR R. A. SAMPSON, F.R.S., astronomer royal for Scotland, has been appointed Halley lecturer in the University of Oxford.

THE courses and conferences arranged for the physicists and mathematicians who will be assembled at the University of Chicago during the summer quarter, beginning on June 21 and ending about September 1, include the subject of the General Theory of Relativity, by Dr. A. C. Lunn; the Theories of Quanta and Theories of Atomic Structure, by Dr. R. A. Millikan; New Developments in Optics, by Dr. H. G. Gale; Thermionic Phenomena and their Applications, by Dr. A. J. Van der Bijl, of the Re-

search Laboratory of the Western Electric Company; the Theory of Sound, by Dr. Lunn; and Electro-Magnetic Theory, by Dr. A. J. Dempster. The facilities of the Ryerson Laboratory for research and conference purposes are extended to professors holding the doctor's degree from other institutions. A considerable number of physicists of this type are to be in attendance.

SIR RICHARD GLAZEBROOK, late director of the National Physical Laboratory at Teddington, England, was presented on March 17 by the staff with his portrait in oils, painted by his cousin, Mr. Hugh de T. Glazebrook. Accompanying the gift was an album, containing an illuminated address, followed by the signatures of past and present members of the staff and a photograph of the laboratory taken from an aeroplane. Mr. F. E. Smith, F.R.S., who presided, and Dr. T. E. Stanton, who made the presentation, reviewed the rise and progress of the laboratory under Sir Richard, and referred to the harmony that had always existed between him and the staff. Sir Richard Glazebrook thanked the staff for their gift, and, speaking of the future of the laboratory, said he was sure Mr. Balfour and the members of the council had its interests very seriously at heart, and would do all they could in the future to promote its prosperity. There was an intention on the part of the Ministry to carry on the study of aeronautics, which had been an important feature in the work of the laboratory in the past, and he hoped that place would be made one of the centers where research work would be continued.

At the meeting of the Institute of Medicine of Chicago on April 16, Professor R. A. Millikan, professor of physics at the University of Chicago, presented a paper on "Twentieth century contributions to our knowledge of the atom."

PROFESSOR VERNON KELLOGG recently addressed the New York Alumni Society of Phi Beta Kappa, and also the Washington Academy of Sciences, on "Europe's food in war and armistice."

DR. WILLIAM CURTIS FARABEE gave an address on "Ethnography at the Peace Conference" before the University of Pennsylvania chapter of Phi Beta Kappa at its twentieth anniversary meeting on April 15. At the same meeting Dr. Farabee was elected to honorary membership in the society.

DR. FRED HEYL, of the Upjohn Company, Kalamazoo, Michigan, recently lectured before the chemical department of Yale University on "The application of organic chemistry in the pharmaceutical industry." The next speaker in this course of industrial lectures being given this year in the Graduate School will be Mr. Walter S. Landis, of the American Cyanamide Company, who will give three lectures dealing with the "Fixation of nitrogen."

THE Lady Priestley Memorial Lecture of the National Health Society was given by Sir George Newman, K.C.B., M.D., F.R.C.P., on Thursday, April 22, at the house of the Royal Society of Medicine. The title of the lecture is "Preventive medicine: the importance of an educated public opinion."

PLANS have been made for an expenditure of about \$10,000,000 for the establishment of "a medical center" at Walter Reed General Hospital, Washington, D. C. The hospital is to be gradually developed into one of the main hospitals of the Army, by the building of two additions to the main hospital building for various uses such as medical and surgical wards, dental department, laboratory, eye, ear and throat department and dispensary. Most of these activities now are housed in temporary buildings. The Mayo Brothers, of Rochester, Minn., will assist in the approved project for increasing its usefulness on modern lines.

THE Migratory Bird Act of 1918, designed to carry out provisions of a treaty between the United States and Great Britain for the protection of migratory birds, has been held constitutional by the Supreme Court. The statute was attacked by Missouri authorities, who alleged that it interfered with the sovereignty of the state and with the property right of the people of that state.

## EDUCATIONAL NOTES AND NEWS

THE General Education Board has contributed \$350,000 to the Endowment Fund of New York University, to endow the work in engineering and collegiate work. It is conditional on the raising of a total fund for these purposes of \$1,200,000 and the clearing off of the floating indebtedness of the university, now amounting to approximately \$400,000.

ANNOUNCEMENT is made of the establishment in the Yale Graduate School for the year 1920-1921 of a research fellowship in organic chemistry by the National Aniline and Chemical Company of New York. This fellowship is supported by a gift of \$750, and the recipient must be a candidate for the degree of Doctor of Philosophy.

THE total civil service estimates of the year in Great Britain are put at £557,474,899. One of the largest increases is for the Board of Education. The following are typical increases:

	Estimated for 1920-21 £	Granted for 1919-20 £
Board of Education ..	45,755,567	32,853,111
British Museum .....	294,233	219,714
Scientific investigation, etc. ....	208,416	113,974
Scientific and Industrial Research .....	518,298	242,815
Public Education in Scotland .....	6,877,220	4,677,220

A ROYAL Commission has been appointed to inquire into the financial resources and working of the University of Dublin and Trinity College, Dublin. The commission is to consider the application for state financial help which has been made by the university. It will consist of five members with three as a quorum. The names of those appointed are: Sir Archibald Giekie, O.M., K.C.B., F.R.S.; Sir John Ross, Bt., Judge of the Chancery Division of the High Court of Justice in Ireland; Dr. A. E. Shipley, D.Sc., F.R.S., Master of Christ's College, Cambridge; Professor J. S. E. Townsend, F.R.S., Wykeham professor of physics and fellow of New College, Oxford; and Professor John Joly, F.R.S., professor of